

Allen Goldstein

List of Publications by Year in descending order

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384
papers

46,208
citations

2565

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3508

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532
all docs

532
docs citations

532
times ranked

28666
citing authors

#	ARTICLE	IF	CITATIONS
1	Aging of Volatile Organic Compounds in October 2017 Northern California Wildfire Plumes. <i>Environmental Science & Technology</i> , 2022, 56, 1557-1567.	4.6	9
2	The Sea Spray Chemistry and Particle Evolution study (SeaSCAPE): overview and experimental methods. <i>Environmental Sciences: Processes and Impacts</i> , 2022, 24, 290-315.	1.7	11
3	Marine gas-phase sulfur emissions during an induced phytoplankton bloom. <i>Atmospheric Chemistry and Physics</i> , 2022, 22, 1601-1613.	1.9	11
4	New Evidence for the Importance of Non-Stomatal Pathways in Ozone Deposition During Extreme Heat and Dry Anomalies. <i>Geophysical Research Letters</i> , 2022, 49, .	1.5	4
5	Contrasting Chemical Complexity and the Reactive Organic Carbon Budget of Indoor and Outdoor Air. <i>Environmental Science & Technology</i> , 2022, 56, 109-118.	4.6	13
6	Ground-based investigation of HO ₂ and ozone chemistry in biomass burning plumes in rural Idaho. <i>Atmospheric Chemistry and Physics</i> , 2022, 22, 4909-4928.	1.9	4
7	Behavior of Isocyanic Acid and Other Nitrogen-Containing Volatile Organic Compounds in The Indoor Environment. <i>Environmental Science & Technology</i> , 2022, 56, 7598-7607.	4.6	9
8	Ch3MS-RF: a random forest model for chemical characterization and improved quantification of unidentified atmospheric organics detected by chromatography-mass spectrometry techniques. <i>Atmospheric Measurement Techniques</i> , 2022, 15, 3779-3803.	1.2	7
9	Isotopic Insights into Organic Composition Differences between Supermicron and Submicron Sea Spray Aerosol. <i>Environmental Science & Technology</i> , 2022, 56, 9947-9958.	4.6	4
10	Why Indoor Chemistry Matters: A National Academies Consensus Report. <i>Environmental Science & Technology</i> , 2022, 56, 10560-10563.	4.6	12
11	Real-time organic aerosol chemical speciation in the indoor environment using extractive electrospray ionization mass spectrometry. <i>Indoor Air</i> , 2021, 31, 141-155.	2.0	29
12	How Do Indoor Environments Affect Air Pollution Exposure?. <i>Environmental Science & Technology</i> , 2021, 55, 100-108.	4.6	48
13	Indoor emissions of total and fluorescent supermicron particles during HOMEChem. <i>Indoor Air</i> , 2021, 31, 88-98.	2.0	20
14	Physical-Chemical Coupling Model for Characterizing the Reaction of Ozone with Squalene in Realistic Indoor Environments. <i>Environmental Science & Technology</i> , 2021, 55, 1690-1698.	4.6	33
15	Observing ozone chemistry in an occupied residence. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021, 118, .	3.3	63
16	Chemical composition of PM _{2.5} in October 2017 Northern California wildfire plumes. <i>Atmospheric Chemistry and Physics</i> , 2021, 21, 5719-5737.	1.9	23
17	Highly Resolved Composition during Diesel Evaporation with Modeled Ozone and Secondary Aerosol Formation: Insights into Pollutant Formation from Evaporative Intermediate Volatility Organic Compound Sources. <i>Environmental Science & Technology</i> , 2021, 55, 5742-5751.	4.6	17
18	Intake Fractions for Volatile Organic Compounds in Two Occupied California Residences. <i>Environmental Science and Technology Letters</i> , 2021, 8, 386-391.	3.9	5

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19	High-Resolution Exposure Assessment for Volatile Organic Compounds in Two California Residences. <i>Environmental Science & Technology</i> , 2021, 55, 6740-6751.	4.6	33
20	Quantification of cooking organic aerosol in the indoor environment using aerodyne aerosol mass spectrometers. <i>Aerosol Science and Technology</i> , 2021, 55, 1099-1114.	1.5	20
21	Large Emissions of Low-Volatility Siloxanes during Residential Oven Use. <i>Environmental Science and Technology Letters</i> , 2021, 8, 519-524.	3.9	16
22	Measurement of Volatile Compounds for Real-Time Analysis of Soil Microbial Metabolic Response to Simulated Snowmelt. <i>Frontiers in Microbiology</i> , 2021, 12, 679671.	1.5	5
23	Volatile organic compound emissions during HOMEChem. <i>Indoor Air</i> , 2021, 31, 2099-2117.	2.0	48
24	Wildfire smoke impacts on indoor air quality assessed using crowdsourced data in California. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021, 118, .	3.3	78
25	Varying humidity increases emission of volatile nitrogen-containing compounds from building materials. <i>Building and Environment</i> , 2021, 205, 108290.	3.0	5
26	Development of an in situ dual-channel thermal desorption gas chromatography instrument for consistent quantification of volatile, intermediate-volatility and semivolatile organic compounds. <i>Atmospheric Measurement Techniques</i> , 2021, 14, 6533-6550.	1.2	4
27	Microbial growth and volatile organic compound (VOC) emissions from carpet and drywall under elevated relative humidity conditions. <i>Microbiome</i> , 2021, 9, 209.	4.9	7
28	Atmospheric Benzothiazoles in a Coastal Marine Environment. <i>Environmental Science & Technology</i> , 2021, 55, 15705-15714.	4.6	9
29	The FLUXNET2015 dataset and the ONEFlux processing pipeline for eddy covariance data. <i>Scientific Data</i> , 2020, 7, 225.	2.4	646
30	Contrasting Reactive Organic Carbon Observations in the Southeast United States (SOAS) and Southern California (CalNex). <i>Environmental Science & Technology</i> , 2020, 54, 14923-14935.	4.6	15
31	Hourly measurements of organic molecular markers in urban Shanghai, China: Observation of enhanced formation of secondary organic aerosol during particulate matter episodic periods. <i>Atmospheric Environment</i> , 2020, 240, 117807.	1.9	27
32	Surface Wetness as an Unexpected Control on Forest Exchange of Volatile Organic Acids. <i>Geophysical Research Letters</i> , 2020, 47, e2020GL088745.	1.5	13
33	Hourly Measurements of Organic Molecular Markers in Urban Shanghai, China: Primary Organic Aerosol Source Identification and Observation of Cooking Aerosol Aging. <i>ACS Earth and Space Chemistry</i> , 2020, 4, 1670-1685.	1.2	43
34	In Situ Measurements of Molecular Markers Facilitate Understanding of Dynamic Sources of Atmospheric Organic Aerosols. <i>Environmental Science & Technology</i> , 2020, 54, 11058-11069.	4.6	14
35	Dark Chemistry during Bleach Cleaning Enhances Oxidation of Organics and Secondary Organic Aerosol Production Indoors. <i>Environmental Science and Technology Letters</i> , 2020, 7, 795-801.	3.9	35
36	Influence of Dynamic Ozone Dry Deposition on Ozone Pollution. <i>Journal of Geophysical Research D: Atmospheres</i> , 2020, 125, e2020JD032398.	1.2	34

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37	Surface Emissions Modulate Indoor SVOC Concentrations through Volatility-Dependent Partitioning. <i>Environmental Science & Technology</i> , 2020, 54, 6751-6760.	4.6	43
38	Indoor Particulate Matter during HOMEChem: Concentrations, Size Distributions, and Exposures. <i>Environmental Science & Technology</i> , 2020, 54, 7107-7116.	4.6	127
39	Water-soluble iron emitted from vehicle exhaust is linked to primary speciated organic compounds. <i>Atmospheric Chemistry and Physics</i> , 2020, 20, 1849-1860.	1.9	9
40	Surface reservoirs dominate dynamic gas-surface partitioning of many indoor air constituents. <i>Science Advances</i> , 2020, 6, eaay8973.	4.7	105
41	Resolving Ambient Organic Aerosol Formation and Aging Pathways with Simultaneous Molecular Composition and Volatility Observations. <i>ACS Earth and Space Chemistry</i> , 2020, 4, 391-402.	1.2	19
42	Multiphase Chemistry Controls Inorganic Chlorinated and Nitrogenated Compounds in Indoor Air during Bleach Cleaning. <i>Environmental Science & Technology</i> , 2020, 54, 1730-1739.	4.6	87
43	Natural and Anthropogenically Influenced Isoprene Oxidation in Southeastern United States and Central Amazon. <i>Environmental Science & Technology</i> , 2020, 54, 5980-5991.	4.6	22
44	Predicting secondary organic aerosol phase state and viscosity and its effect on multiphase chemistry in a regional-scale air quality model. <i>Atmospheric Chemistry and Physics</i> , 2020, 20, 8201-8225.	1.9	42
45	Overview of HOMEChem: House Observations of Microbial and Environmental Chemistry. <i>Environmental Sciences: Processes and Impacts</i> , 2019, 21, 1280-1300.	1.7	140
46	Contributions of biomass-burning, urban, and biogenic emissions to the concentrations and light-absorbing properties of particulate matter in central Amazonia during the dry season. <i>Atmospheric Chemistry and Physics</i> , 2019, 19, 7973-8001.	1.9	36
47	Highly Speciated Measurements of Terpenoids Emitted from Laboratory and Mixed-Conifer Forest Prescribed Fires. <i>Environmental Science & Technology</i> , 2019, 53, 9418-9428.	4.6	31
48	Modeling the Time-Dependent Concentrations of Primary and Secondary Reaction Products of Ozone with Squalene in a University Classroom. <i>Environmental Science & Technology</i> , 2019, 53, 8262-8270.	4.6	35
49	Observations and Contributions of Real-Time Indoor Ammonia Concentrations during HOMEChem. <i>Environmental Science & Technology</i> , 2019, 53, 8591-8598.	4.6	59
50	Increasing Isoprene Epoxydiol-to-Inorganic Sulfate Aerosol Ratio Results in Extensive Conversion of Inorganic Sulfate to Organosulfur Forms: Implications for Aerosol Physicochemical Properties. <i>Environmental Science & Technology</i> , 2019, 53, 8682-8694.	4.6	111
51	Characterizing Airborne Phthalate Concentrations and Dynamics in a Normally Occupied Residence. <i>Environmental Science & Technology</i> , 2019, 53, 7337-7346.	4.6	49
52	Sources and dynamics of semivolatile organic compounds in a single-family residence in northern California. <i>Indoor Air</i> , 2019, 29, 645-655.	2.0	53
53	Characterizing sources and emissions of volatile organic compounds in a northern California residence using space- and time-resolved measurements. <i>Indoor Air</i> , 2019, 29, 630-644.	2.0	70
54	Urban pollution greatly enhances formation of natural aerosols over the Amazon rainforest. <i>Nature Communications</i> , 2019, 10, 1046.	5.8	131

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55	Impact of Air Pollution Controls on Radiation Fog Frequency in the Central Valley of California. <i>Journal of Geophysical Research D: Atmospheres</i> , 2019, 124, 5889.	1.2	15
56	Speciated and total emission factors of particulate organics from burning western US wildland fuels and their dependence on combustion efficiency. <i>Atmospheric Chemistry and Physics</i> , 2019, 19, 1013-1026.	1.9	80
57	Importance of biogenic volatile organic compounds to acyl peroxy nitrates (APN) production in the southeastern US during SOAS 2013. <i>Atmospheric Chemistry and Physics</i> , 2019, 19, 1867-1880.	1.9	10
58	Heterogeneous Ozonolysis of Squalene: Gas-Phase Products Depend on Water Vapor Concentration. <i>Environmental Science & Technology</i> , 2019, 53, 14441-14448.	4.6	48
59	Detailed Speciation of Intermediate Volatility and Semivolatile Organic Compound Emissions from Gasoline Vehicles: Effects of Cold-Starts and Implications for Secondary Organic Aerosol Formation. <i>Environmental Science & Technology</i> , 2019, 53, 1706-1714.	4.6	75
60	Chemical evolution of atmospheric organic carbon over multiple generations of oxidation. <i>Nature Chemistry</i> , 2018, 10, 462-468.	6.6	92
61	Detailed investigation of ventilation rates and airflow patterns in a northern California residence. <i>Indoor Air</i> , 2018, 28, 572-584.	2.0	50
62	Effects of temperature-dependent NO _x emissions on continental ozone production. <i>Atmospheric Chemistry and Physics</i> , 2018, 18, 2601-2614.	1.9	62
63	Secondary organic aerosol formation from ambient air in an oxidation flow reactor in central Amazonia. <i>Atmospheric Chemistry and Physics</i> , 2018, 18, 467-493.	1.9	63
64	Fluorescent biological aerosol particles: Concentrations, emissions, and exposures in a northern California residence. <i>Indoor Air</i> , 2018, 28, 559-571.	2.0	22
65	Isoprene photo-oxidation products quantify the effect of pollution on hydroxyl radicals over Amazonia. <i>Science Advances</i> , 2018, 4, eaar2547.	4.7	28
66	Quantification of isomerically summed hydrocarbon contributions to crude oil by carbon number, double bond equivalent, and aromaticity using gas chromatography with tunable vacuum ultraviolet ionization. <i>Analyst</i> , The, 2018, 143, 1396-1405.	1.7	8
67	Monoterpenes are the largest source of summertime organic aerosol in the southeastern United States. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018, 115, 2038-2043.	3.3	186
68	Volatile chemical products emerging as largest petrochemical source of urban organic emissions. <i>Science</i> , 2018, 359, 760-764.	6.0	716
69	Comprehensive Analysis of Changes in Crude Oil Chemical Composition during Biosouring and Treatments. <i>Environmental Science & Technology</i> , 2018, 52, 1290-1300.	4.6	15
70	Synthesis of the Southeast Atmosphere Studies: Investigating Fundamental Atmospheric Chemistry Questions. <i>Bulletin of the American Meteorological Society</i> , 2018, 99, 547-567.	1.7	62
71	Coupling of organic and inorganic aerosol systems and the effect on gas-particle partitioning in the southeastern US. <i>Atmospheric Chemistry and Physics</i> , 2018, 18, 357-370.	1.9	66
72	Intercomparison of OH and OH reactivity measurements in a high isoprene and low NO environment during the Southern Oxidant and Aerosol Study (SOAS). <i>Atmospheric Environment</i> , 2018, 174, 227-236.	1.9	22

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73	Measurements of I/SVOCs in biomass-burning smoke using solid-phase extraction disks and two-dimensional gas chromatography. <i>Atmospheric Chemistry and Physics</i> , 2018, 18, 17801-17817.	1.9	50
74	Organosulfates in aerosols downwind of an urban region in central Amazon. <i>Environmental Sciences: Processes and Impacts</i> , 2018, 20, 1546-1558.	1.7	40
75	Synthetic ozone deposition and stomatal uptake at flux tower sites. <i>Biogeosciences</i> , 2018, 15, 5395-5413.	1.3	22
76	Observations of sesquiterpenes and their oxidation products in central Amazonia during the wet and dry seasons. <i>Atmospheric Chemistry and Physics</i> , 2018, 18, 10433-10457.	1.9	53
77	Measurement of NO ₃ and N ₂ O ₅ in a Residential Kitchen. <i>Environmental Science and Technology Letters</i> , 2018, 5, 595-599.	3.9	44
78	High Hydroquinone Emissions from Burning Manzanita. <i>Environmental Science and Technology Letters</i> , 2018, 5, 309-314.	3.9	7
79	Emission Factors of Microbial Volatile Organic Compounds from Environmental Bacteria and Fungi. <i>Environmental Science & Technology</i> , 2018, 52, 8272-8282.	4.6	81
80	Evolution of the chemical fingerprint of biomass burning organic aerosol during aging. <i>Atmospheric Chemistry and Physics</i> , 2018, 18, 7607-7624.	1.9	67
81	Urban influence on the concentration and composition of submicron particulate matter in central Amazonia. <i>Atmospheric Chemistry and Physics</i> , 2018, 18, 12185-12206.	1.9	30
82	Multiphase Mechanism for the Production of Sulfuric Acid from SO ₂ by Criegee Intermediates Formed During the Heterogeneous Reaction of Ozone with Squalene. <i>Journal of Physical Chemistry Letters</i> , 2018, 9, 3504-3510.	2.1	18
83	Observations of sesquiterpenes and their oxidation products in central Amazonia during the wet and dry seasons. <i>Atmospheric Chemistry and Physics</i> , 2018, 18, 10433-10457.	1.9	22
84	Comparative genomics of <i>Mortierella elongata</i> and its bacterial endosymbiont <i>Mycoavidus cysteinexigens</i> . <i>Environmental Microbiology</i> , 2017, 19, 2964-2983.	1.8	154
85	VOC emission rates over London and South East England obtained by airborne eddy covariance. <i>Faraday Discussions</i> , 2017, 200, 599-620.	1.6	23
86	Comparison of Gasoline Direct-Injection (GDI) and Port Fuel Injection (PFI) Vehicle Emissions: Emission Certification Standards, Cold-Start, Secondary Organic Aerosol Formation Potential, and Potential Climate Impacts. <i>Environmental Science & Technology</i> , 2017, 51, 6542-6552.	4.6	184
87	Field intercomparison of the gas/particle partitioning of oxygenated organics during the Southern Oxidant and Aerosol Study (SOAS) in 2013. <i>Aerosol Science and Technology</i> , 2017, 51, 30-56.	1.5	39
88	Improved molecular level identification of organic compounds using comprehensive two-dimensional chromatography, dual ionization energies and high resolution mass spectrometry. <i>Analyst, The</i> , 2017, 142, 2395-2403.	1.7	33
89	Using advanced mass spectrometry techniques to fully characterize atmospheric organic carbon: current capabilities and remaining gaps. <i>Faraday Discussions</i> , 2017, 200, 579-598.	1.6	37
90	Airborne measurements of isoprene and monoterpene emissions from southeastern U.S. forests. <i>Science of the Total Environment</i> , 2017, 595, 149-158.	3.9	18

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91	Characterizing Semivolatile Organic Compounds of Biocrude from Hydrothermal Liquefaction of Biomass. <i>Energy & Fuels</i> , 2017, 31, 4122-4134.	2.5	51
92	Review of Urban Secondary Organic Aerosol Formation from Gasoline and Diesel Motor Vehicle Emissions. <i>Environmental Science & Technology</i> , 2017, 51, 1074-1093.	4.6	348
93	Molecular Characterization of Organosulfur Compounds in Biodiesel and Diesel Fuel Secondary Organic Aerosol. <i>Environmental Science & Technology</i> , 2017, 51, 119-127.	4.6	74
94	Automated single-ion peak fitting as an efficient approach for analyzing complex chromatographic data. <i>Journal of Chromatography A</i> , 2017, 1529, 81-92.	1.8	35
95	Reducing secondary organic aerosol formation from gasoline vehicle exhaust. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017, 114, 6984-6989.	3.3	107
96	The Green Ocean Amazon Experiment (GoAmazon2014/5) Observes Pollution Affecting Gases, Aerosols, Clouds, and Rainfall over the Rain Forest. <i>Bulletin of the American Meteorological Society</i> , 2017, 98, 981-997.	1.7	128
97	On the implications of aerosol liquid water and phase separation for organic aerosol mass. <i>Atmospheric Chemistry and Physics</i> , 2017, 17, 343-369.	1.9	189
98	Influence of urban pollution on the production of organic particulate matter from isoprene epoxydiols in central Amazonia. <i>Atmospheric Chemistry and Physics</i> , 2017, 17, 6611-6629.	1.9	45
99	Qualitative and quantitative analysis of atmospheric organosulfates in Centreville, Alabama. <i>Atmospheric Chemistry and Physics</i> , 2017, 17, 1343-1359.	1.9	75
100	Evaluating the impact of new observational constraints on P-S/IVOC emissions, multi-generation oxidation, and chamber wall losses on SOA modeling for Los Angeles, CA. <i>Atmospheric Chemistry and Physics</i> , 2017, 17, 9237-9259.	1.9	36
101	Microbes and associated soluble and volatile chemicals on periodically wet household surfaces. <i>Microbiome</i> , 2017, 5, 128.	4.9	45
102	Comprehensive characterization of atmospheric organic carbon at a forested site. <i>Nature Geoscience</i> , 2017, 10, 748-753.	5.4	66
103	Recent advances in understanding secondary organic aerosol: Implications for global climate forcing. <i>Reviews of Geophysics</i> , 2017, 55, 509-559.	9.0	548
104	Sensitive detection of α -alkanes using a mixed ionization mode proton-transfer-reaction mass spectrometer. <i>Atmospheric Measurement Techniques</i> , 2016, 9, 5315-5329.	1.2	26
105	Organic and inorganic decomposition products from the thermal desorption of atmospheric particles. <i>Atmospheric Measurement Techniques</i> , 2016, 9, 1569-1586.	1.2	11
106	A technique for rapid source apportionment applied to ambient organic aerosol measurements from a thermal desorption aerosol gas chromatograph (TAG). <i>Atmospheric Measurement Techniques</i> , 2016, 9, 5637-5653.	1.2	9
107	Ozone production chemistry in the presence of urban plumes. <i>Faraday Discussions</i> , 2016, 189, 169-189.	1.6	56
108	Time Resolved Measurements of Speciated Tailpipe Emissions from Motor Vehicles: Trends with Emission Control Technology, Cold Start Effects, and Speciation. <i>Environmental Science & Technology</i> , 2016, 50, 13592-13599.	4.6	50

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109	Isoprene suppression of new particle formation: Potential mechanisms and implications. <i>Journal of Geophysical Research D: Atmospheres</i> , 2016, 121, 14,621.	1.2	37
110	Isoprene photochemistry over the Amazon rainforest. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016, 113, 6125-6130.	3.3	85
111	Testing Atmospheric Oxidation in an Alabama Forest. <i>Journals of the Atmospheric Sciences</i> , 2016, 73, 4699-4710.	0.6	54
112	Ambient Gas-Particle Partitioning of Tracers for Biogenic Oxidation. <i>Environmental Science & Technology</i> , 2016, 50, 9952-9962.	4.6	69
113	LOCALIZATION AND BROADBAND FOLLOW-UP OF THE GRAVITATIONAL-WAVE TRANSIENT GW150914. <i>Astrophysical Journal Letters</i> , 2016, 826, L13.	3.0	210
114	Volatile Organic Compound Emissions from Humans Indoors. <i>Environmental Science & Technology</i> , 2016, 50, 12686-12694.	4.6	193
115	Introduction: Observations and Modeling of the Green Ocean Amazon (GoAmazon2014/5). <i>Atmospheric Chemistry and Physics</i> , 2016, 16, 4785-4797.	1.9	213
116	Evaluation of regional isoprene emission factors and modeled fluxes in California. <i>Atmospheric Chemistry and Physics</i> , 2016, 16, 9611-9628.	1.9	16
117	Volatility and lifetime against OH heterogeneous reaction of ambient isoprene-epoxydiols-derived secondary organic aerosol (IEPOX-SOA). <i>Atmospheric Chemistry and Physics</i> , 2016, 16, 11563-11580.	1.9	82
118	Speciated measurements of semivolatile and intermediate volatility organic compounds (S/IVOCs) in a pine forest during BEACHON-RoMBAS 2011. <i>Atmospheric Chemistry and Physics</i> , 2016, 16, 1187-1205.	1.9	28
119	Organic nitrate chemistry and its implications for nitrogen budgets in an isoprene- and monoterpene-rich atmosphere: constraints from aircraft (SEAC ⁴ RS) and ground-based (SOAS) observations in the Southeast US. <i>Atmospheric Chemistry and Physics</i> , 2016, 16, 5969-5991.	1.9	173
120	The lifetime of nitrogen oxides in an isoprene-dominated forest. <i>Atmospheric Chemistry and Physics</i> , 2016, 16, 7623-7637.	1.9	75
121	Understanding isoprene photooxidation using observations and modeling over a subtropical forest in the southeastern US. <i>Atmospheric Chemistry and Physics</i> , 2016, 16, 7725-7741.	1.9	26
122	Speciation of OH reactivity above the canopy of an isoprene-dominated forest. <i>Atmospheric Chemistry and Physics</i> , 2016, 16, 9349-9359.	1.9	59
123	Sulfur Dioxide Accelerates the Heterogeneous Oxidation Rate of Organic Aerosol by Hydroxyl Radicals. <i>Environmental Science & Technology</i> , 2016, 50, 3554-3561.	4.6	32
124	Atmospheric fates of Criegee intermediates in the ozonolysis of isoprene. <i>Physical Chemistry Chemical Physics</i> , 2016, 18, 10241-10254.	1.3	179
125	Spatially resolved flux measurements of NO _x from London suggest significantly higher emissions than predicted by inventories. <i>Faraday Discussions</i> , 2016, 189, 455-472.	1.6	45
126	Highly functionalized organic nitrates in the southeast United States: Contribution to secondary organic aerosol and reactive nitrogen budgets. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016, 113, 1516-1521.	3.3	269

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127	Recent Discoveries and Future Challenges in Atmospheric Organic Chemistry. <i>Environmental Science & Technology</i> , 2016, 50, 2754-2764.	4.6	154
128	Indoor chemistry: research opportunities and challenges. <i>Indoor Air</i> , 2015, 25, 357-361.	2.0	79
129	Modeling comprehensive chemical composition of weathered oil following a marine spill to predict ozone and potential secondary aerosol formation and constrain transport pathways. <i>Journal of Geophysical Research: Oceans</i> , 2015, 120, 7300-7315.	1.0	22
130	Fundamental Time Scales Governing Organic Aerosol Multiphase Partitioning and Oxidative Aging. <i>Environmental Science & Technology</i> , 2015, 49, 9768-9777.	4.6	23
131	An ecosystem-scale perspective of the net land methanol flux: synthesis of micrometeorological flux measurements. <i>Atmospheric Chemistry and Physics</i> , 2015, 15, 7413-7427.	1.9	31
132	Observation of isoprene hydroxynitrates in the southeastern United States and implications for the fate of NO ₂ . <i>Atmospheric Chemistry and Physics</i> , 2015, 15, 11257-11272.	1.9	75
133	Characterization of a real-time tracer for isoprene epoxydiols-derived secondary organic aerosol (IEPOX-SOA) from aerosol mass spectrometer measurements. <i>Atmospheric Chemistry and Physics</i> , 2015, 15, 11807-11833.	1.9	185
134	Source apportionment of methane and nitrous oxide in California's San Joaquin Valley at CalNex 2010 via positive matrix factorization. <i>Atmospheric Chemistry and Physics</i> , 2015, 15, 12043-12063.	1.9	28
135	Organic nitrate aerosol formation via NO ₃ + biogenic volatile organic compounds in the southeastern United States. <i>Atmospheric Chemistry and Physics</i> , 2015, 15, 13377-13392.	1.9	124
136	Biomass burning emissions of trace gases and particles in marine air at Cape Grim, Tasmania. <i>Atmospheric Chemistry and Physics</i> , 2015, 15, 13393-13411.	1.9	27
137	Quantifying sources and sinks of reactive gases in the lower atmosphere using airborne flux observations. <i>Geophysical Research Letters</i> , 2015, 42, 8231-8240.	1.5	53
138	Comparison of advanced offline and in situ techniques of organic aerosol composition measurement during the CalNex campaign. <i>Atmospheric Measurement Techniques</i> , 2015, 8, 5177-5187.	1.2	7
139	Gas and aerosol carbon in California: comparison of measurements and model predictions in Pasadena and Bakersfield. <i>Atmospheric Chemistry and Physics</i> , 2015, 15, 5243-5258.	1.9	48
140	Comprehensive Chemical Characterization of Hydrocarbons in NIST Standard Reference Material 2779 Gulf of Mexico Crude Oil. <i>Environmental Science & Technology</i> , 2015, 49, 13130-13138.	4.6	39
141	Large Enhancement in the Heterogeneous Oxidation Rate of Organic Aerosols by Hydroxyl Radicals in the Presence of Nitric Oxide. <i>Journal of Physical Chemistry Letters</i> , 2015, 6, 4451-4455.	2.1	30
142	The international global atmospheric chemistry (IGAC) project: Facilitating atmospheric chemistry research for 25 years. <i>Anthropocene</i> , 2015, 12, 17-28.	1.6	12
143	Effects of anthropogenic emissions on aerosol formation from isoprene and monoterpenes in the southeastern United States. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015, 112, 37-42.	3.3	496
144	Ethylene Glycol Emissions from On-road Vehicles. <i>Environmental Science & Technology</i> , 2015, 49, 3322-3329.	4.6	9

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145	Atmospheric benzenoid emissions from plants rival those from fossil fuels. <i>Scientific Reports</i> , 2015, 5, 12064.	1.6	104
146	Long-Term Trends in California Mobile Source Emissions and Ambient Concentrations of Black Carbon and Organic Aerosol. <i>Environmental Science & Technology</i> , 2015, 49, 5178-5188.	4.6	103
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